

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	(204/298.25.cds. 204/298.35.cds.) and (plug with load)	US-PGPUB; USPAT	OR	ON	2004/06/28 10:20
S2	4	(204/298.25.cds. 204/298.35.cds.) and (plug same (passage\$3 interface insert plate))	US-PGPUB; USPAT	OR	ON	2004/06/28 10:20
S3	534	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and interface	US-PGPUB; USPAT	OR	ON	2004/06/28 10:22
S4	4	((("4949669") or ("6309161") or ("6562141") or ("6638672")). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/06/28 10:23
S5	3	gochberg.in.	US-PGPUB; USPAT	OR	ON	2004/06/28 10:23
S6	1711	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/15 04:21
S7	436	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and interface	US-PGPUB; USPAT	OR	ON	2004/06/28 10:21
S8	106	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (interface with transfer\$3)	US-PGPUB; USPAT	OR	ON	2003/05/20 17:27
S9	14	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (interface with metal\$3)	US-PGPUB; USPAT	OR	ON	2003/05/20 17:30
S10	5630	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (interface ) applied.as.	US-PGPUB; USPAT	OR	ON	2003/05/20 17:31
S11	68	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (interface )and applied.as.	US-PGPUB; USPAT	OR	ON	2005/11/14 15:13
S12	492	"118"/\$ and (interface )and applied.as.	US-PGPUB; USPAT	OR	ON	2003/05/22 09:28
S13	78	"118"/\$ and (interface with (temperature heat))and applied.as.	US-PGPUB; USPAT	OR	ON	2003/05/20 17:37
S14	0	("9891784").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/05/20 17:37
S15	0	(09/891,784).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/05/20 17:37
S16	1	09/891,784	US-PGPUB; USPAT	OR	ON	2003/05/20 17:37
S17	425	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (((transfer\$3 transport\$3) with chamber) same (thermal\$3 isolat\$3 insulat\$3 interfac\$3 metal\$3))	US-PGPUB; USPAT	OR	ON	2003/05/20 17:51
S18	41	(US-6045620-\$ or US-5415729-\$ or US-5266116-\$ or US-5151303-\$ or US-5016561-\$ or US-5002009-\$ or US-5950328-\$ or US-5424039-\$ or US-4243310-\$ or US-4622918-\$ or US-4438724-\$ or US-5031571-\$ or US-4480585-\$ or US-5121705-\$ or US-4459823-\$ or US-6106631-\$ or US-4787844-\$ or US-4427378-\$ or US-4395021-\$ or US-3900282-\$ or US-3759662-\$ or US-3575397-\$ or US-3618919-\$ or US-6503079-\$ or US-6338626-\$ or US-5769629-\$).did. or (US-5693288-\$ or US-5256061-\$ or US-5172849-\$ or US-5103745-\$ or US-4997364-\$ or US-4721424-\$ or US-4692115-\$ or US-3978815-\$ or US-5601686-\$ or US-6313444-\$ or US-5834739-\$ or US-5286296-\$ or US-4951603-\$).did. or (US-20020008534-\$ or US-20020195201-\$).did. or (JP-03045807-\$ or JP-62147726-\$ or JP-01319675-\$).did. or (JP-06093342-\$ or DE-4011079-\$ or JP-05149433-\$ or JP-62050473-\$).did.	US-PGPUB; USPAT	OR	ON	2003/05/21 09:58
S19	9	"4438724".URPN.	USPAT	OR	ON	2003/05/21 10:13

## EAST Search History

S20	10	"5172849".URPN.	USPAT	OR	ON	2003/05/21 10:45
S21	2	"6045620".URPN.	USPAT	OR	ON	2003/05/21 13:35
S22	19	("4116419"   "4257447"   "4534389"   "4616683"   "4674939"   "4724874"   "4917556"   "5020776"   "5076205"   "5143348"   "5286296"   "5478195"   "5601686"   "5640751"   "5653565"   "5655277"   "5695564"   "5730801"   "5746434").PN.	USPAT	OR	ON	2003/05/21 13:36
S23	1	"5640751".URPN.	USPAT	OR	ON	2003/05/21 13:39
S24	7	("2255504"   "2926937"   "3208758"   "3370508"   "4616860"   "4685193"   "5094795").PN.	USPAT	OR	ON	2003/05/21 13:39
S25	1711	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/05/21 14:49
S26	34	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (interface same insulat\$3)	US-PGPUB; USPAT	OR	ON	2003/05/21 15:57
S27	25	(US-3618919-\$ or US-5382531-\$ or US-5919310-\$ or US-5997588-\$ or US-4438724-\$ or US-4480585-\$ or US-4622918-\$ or US-5172849-\$ or US-5310338-\$ or US-5266116-\$ or US-5415729-\$ or US-5601686-\$ or US-5693288-\$ or US-6045620-\$ or US-6347918-\$ or US-4116419-\$ or US-4257447-\$ or US-4674939-\$ or US-5020776-\$ or US-5143348-\$ or US-5640751-\$ or US-4616860-\$ or US-4685193-\$ or US-5746434-\$).did. or (US-20020195201-\$).did.	US-PGPUB; USPAT	OR	OFF	2003/05/21 15:52
S28	0	((US-3618919-\$ or US-5382531-\$ or US-5919310-\$ or US-5997588-\$ or US-4438724-\$ or US-4480585-\$ or US-4622918-\$ or US-5172849-\$ or US-5310338-\$ or US-5266116-\$ or US-5415729-\$ or US-5601686-\$ or US-5693288-\$ or US-6045620-\$ or US-6347918-\$ or US-4116419-\$ or US-4257447-\$ or US-4674939-\$ or US-5020776-\$ or US-5143348-\$ or US-5640751-\$ or US-4616860-\$ or US-4685193-\$ or US-5746434-\$).did. or (US-20020195201-\$).did.) and gel	US-PGPUB; USPAT	OR	ON	2003/05/21 15:53
S29	2	((US-3618919-\$ or US-5382531-\$ or US-5919310-\$ or US-5997588-\$ or US-4438724-\$ or US-4480585-\$ or US-4622918-\$ or US-5172849-\$ or US-5310338-\$ or US-5266116-\$ or US-5415729-\$ or US-5601686-\$ or US-5693288-\$ or US-6045620-\$ or US-6347918-\$ or US-4116419-\$ or US-4257447-\$ or US-4674939-\$ or US-5020776-\$ or US-5143348-\$ or US-5640751-\$ or US-4616860-\$ or US-4685193-\$ or US-5746434-\$).did. or (US-20020195201-\$).did.) and (polymer\$3)	US-PGPUB; USPAT	OR	ON	2003/05/21 15:53
S30	5	((US-3618919-\$ or US-5382531-\$ or US-5919310-\$ or US-5997588-\$ or US-4438724-\$ or US-4480585-\$ or US-4622918-\$ or US-5172849-\$ or US-5310338-\$ or US-5266116-\$ or US-5415729-\$ or US-5601686-\$ or US-5693288-\$ or US-6045620-\$ or US-6347918-\$ or US-4116419-\$ or US-4257447-\$ or US-4674939-\$ or US-5020776-\$ or US-5143348-\$ or US-5640751-\$ or US-4616860-\$ or US-4685193-\$ or US-5746434-\$).did. or (US-20020195201-\$).did.) and ceramic	US-PGPUB; USPAT	OR	ON	2003/05/21 15:53
S31	2	((US-3618919-\$ or US-5382531-\$ or US-5919310-\$ or US-5997588-\$ or US-4438724-\$ or US-4480585-\$ or US-4622918-\$ or US-5172849-\$ or US-5310338-\$ or US-5266116-\$ or US-5415729-\$ or US-5601686-\$ or US-5693288-\$ or US-6045620-\$ or US-6347918-\$ or US-4116419-\$ or US-4257447-\$ or US-4674939-\$ or US-5020776-\$ or US-5143348-\$ or US-5640751-\$ or US-4616860-\$ or US-4685193-\$ or US-5746434-\$).did. or (US-20020195201-\$).did.) and (porosity porous pore)	US-PGPUB; USPAT	OR	ON	2003/05/21 15:55
S32	0	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (interface with ceramic)	US-PGPUB; USPAT	OR	ON	2003/05/21 15:56

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S33	8	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (interface same polymer\$3)	US-PGPUB; USPAT	OR	ON	2003/05/21 15:57
S34	2	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (interface with polymer\$3)	US-PGPUB; USPAT	OR	ON	2003/05/21 15:57
S35	436	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and interface	US-PGPUB; USPAT	OR	ON	2003/05/22 10:27
S36	663	c23c016\$.ipc. and (interfac\$3)	EPO; JPO; DERWENT	OR	ON	2003/05/22 09:29
S37	199	c23c016\$.ipc. and (interfac\$3) and metal\$3	EPO; JPO; DERWENT	OR	ON	2003/05/21 17:07
S38	1	("5640751").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/05/22 09:08
S39	1	"5640751".URPN.	USPAT	OR	ON	2003/05/22 09:08
S40	1	"5640751".URPN.	USPAT	OR	ON	2003/05/22 09:09
S41	7	("2255504"   "2926937"   "3208758"   "3370508"   "4616860"   "4685193"   "5094795").PN.	USPAT	OR	ON	2003/05/22 09:09
S42	305	"118"/\$.ccls. and (interface )and applied.as.	US-PGPUB; USPAT	OR	ON	2003/05/22 09:28
S43	21	c23c016\$.ipc. and ( ceramic with interfac\$3)	EPO; JPO; DERWENT	OR	ON	2003/05/22 10:34
S44	0	"118"/\$.ccls. and (ceramic with interfac\$3)	EPO; JPO; DERWENT	OR	ON	2003/05/22 09:32
S45	43	("118"/\$.ccls. 156/345.\$ccls. "414"/\$.ccls. )and (ceramic with interfac\$3)	US-PGPUB; USPAT	OR	ON	2003/05/22 09:47
S46	0	"6200415".URPN.	USPAT	OR	ON	2003/05/22 09:38
S47	16	("3645460"   "3736394"   "3881392"   "4302136"   "4636120"   "4995340"   "5290010"   "5316278"   "5374136"   "5456757"   "5712746"   "5810933"   "5829933"   "5868847"   "5913647"   "5940273").PN.	USPAT	OR	ON	2003/05/22 09:41
S48	2	((("3645460"   "3736394"   "3881392"   "4302136"   "4636120"   "4995340"   "5290010"   "5316278"   "5374136"   "5456757"   "5712746"   "5810933"   "5829933"   "5868847"   "5913647"   "5940273").PN.) and ceramic	US-PGPUB; USPAT	OR	ON	2003/05/22 09:42
S49	10	((("3645460"   "3736394"   "3881392"   "4302136"   "4636120"   "4995340"   "5290010"   "5316278"   "5374136"   "5456757"   "5712746"   "5810933"   "5829933"   "5868847"   "5913647"   "5940273").PN.) and metal\$3	US-PGPUB; USPAT	OR	ON	2003/05/22 09:42
S50	7	("4338380"   "5011658"   "5737178"   "5794838"   "5886863"   "5998041"   "6134096").PN.	USPAT	OR	ON	2003/05/22 09:44
S51	4	"6280584".URPN.	USPAT	OR	ON	2003/05/22 09:45
S52	89	("118"/\$.ccls. 156/345.\$ccls. "414"/\$.ccls. )and (ceramic with insert)	US-PGPUB; USPAT	OR	ON	2003/05/22 09:48
S53	1712	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/05/22 10:19
S54	9	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (passageway with (metal\$3 steel aluminum))	US-PGPUB; USPAT	OR	ON	2003/05/22 10:21
S55	1	("5746434").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/05/22 10:31
S56	1	("6045620").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/05/22 10:33
S57	232	metal\$3 with slit with insert	EPO; JPO; DERWENT	OR	ON	2003/05/22 10:46

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S58	0	metal\$3 with slit with insert and ("118"/\$.ccls. 156/345.\$.ccls. "414"/\$.ccls. )	US-PGPUB; USPAT	OR	ON	2003/05/22 10:34
S59	0	c23c016\$.ipc. and (metal\$3 with slit with insert)	EPO; JPO; DERWENT	OR	ON	2003/05/22 10:34
S60	0	(metal\$3 with slit with insert) and ("118"/\$.ccls. 156/345.\$.ccls. "414"/\$.ccls. )	US-PGPUB; USPAT	OR	ON	2003/05/22 10:35
S61	112	metal\$3 with slit with insert	US-PGPUB; USPAT	OR	ON	2003/05/22 10:36
S62	1	"6089543".URPN.	USPAT	OR	ON	2003/05/22 10:41
S63	12	("3558097"   "3764104"   "4154426"   "4474358"   "4682759"   "4785962"   "4915355"   "5226632"   "5273071"   "5275303"   "5363872"   "5579718").PN.	USPAT	OR	ON	2003/05/22 10:41
S64	11	(metal\$3 with slit with insert) same (chamber apparatus)	EPO; JPO; DERWENT	OR	ON	2003/05/22 10:48
S65	4	(metal\$3 with slit with insert) same (wafer substrate)	EPO; JPO; DERWENT	OR	ON	2003/05/22 10:48
S66	48231	c23c016\$.ipc.	EPO; JPO; DERWENT	OR	ON	2003/06/11 10:21
S67	58	c23c016\$.ipc. and (interfac\$3 with (insulat\$3 isolat\$3))	EPO; JPO; DERWENT	OR	ON	2003/06/11 11:40
S68	11	c23c016\$.ipc. and (insert with (insulat\$3 isolat\$3))	EPO; JPO; DERWENT	OR	ON	2003/06/11 11:40
S69	190	c23c016\$.ipc. and ((surface face) with chamber with (insulat\$3 isolat\$3))	EPO; JPO; DERWENT	OR	ON	2003/06/11 11:41
S70	1666	((body material) with between with chamber with (insulat\$3 isolat\$3))	EPO; JPO; DERWENT	OR	ON	2003/06/11 11:27
S71	43	c23c016\$.ipc. and ((body material) with between with chamber with (insulat\$3 isolat\$3))	EPO; JPO; DERWENT	OR	ON	2003/06/11 11:38
S72	1722	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/11 11:38
S73	0	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ((body material) with between with chamber with (insulat\$3 isolat\$3))	EPO; JPO; DERWENT	OR	ON	2003/06/11 11:38
S74	1666	((body material) with between with chamber with (insulat\$3 isolat\$3))	EPO; JPO; DERWENT	OR	ON	2003/06/11 11:38
S75	3122	((body material) with between with chamber with (insulat\$3 isolat\$3))	US-PGPUB; USPAT	OR	ON	2003/06/11 11:38
S76	219	("118"/\$.ccls. 156/345.\$.ccls. "414"/\$.ccls.) and ((body material) with between with chamber with (insulat\$3 isolat\$3))	US-PGPUB; USPAT	OR	ON	2003/06/11 11:39
S77	62	(interfac\$3 with (insulat\$3 isolat\$3)) and (((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.)	US-PGPUB; USPAT	OR	ON	2003/06/11 12:17
S78	12	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (insert with (insulat\$3 isolat\$3))	US-PGPUB; USPAT	OR	ON	2003/06/11 12:24
S79	101	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ((surface face) with chamber with (insulat\$3 isolat\$3))	US-PGPUB; USPAT	OR	ON	2003/06/11 14:27
S80	1	("6045260").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/11 14:27
S81	1	("6045620").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/11 14:28
S82	1	("6089543").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/11 14:28

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S83	46	(US-6099651-\$ or US-6089543-\$ or US-5997588-\$ or US-5746434-\$ or US-5562800-\$ or US-5415729-\$ or US-5601686-\$ or US-5693288-\$ or US-5172849-\$ or US-5266116-\$ or US-4438724-\$ or US-4480585-\$ or US-4622918-\$ or US-5919310-\$ or US-3618919-\$ or US-5382531-\$ or US-5310338-\$ or US-6347918-\$ or US-5640751-\$ or US-4674939-\$ or US-4257447-\$ or US-5020776-\$ or US-5143348-\$ or US-4685193-\$ or US-4616860-\$ or US-4116419-\$).did. or (US-3994428-\$ or US-6506254-\$ or US-6263829-\$ or US-6200415-\$ or US-6280584-\$ or US-5456757-\$ or US-5965034-\$ or US-5846332-\$ or US-5844195-\$ or US-3731651-\$ or US-6045620-\$ or US-5016562-\$ or US-3602192-\$).did. or (US-20020195201-\$ or US-20020079056-\$ or US-20020014203-\$).did. or (US-20020195201-\$ or EP-367289-\$ or EP-606263-\$ or DE-3309079-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/06/11 16:29
S84	0	("4and(gaswithcurtain)").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/11 15:04
S85	4	((US-6099651-\$ or US-6089543-\$ or US-5997588-\$ or US-5746434-\$ or US-5562800-\$ or US-5415729-\$ or US-5601686-\$ or US-5693288-\$ or US-5172849-\$ or US-5266116-\$ or US-4438724-\$ or US-4480585-\$ or US-4622918-\$ or US-5919310-\$ or US-3618919-\$ or US-5382531-\$ or US-5310338-\$ or US-6347918-\$ or US-5640751-\$ or US-4674939-\$ or US-4257447-\$ or US-5020776-\$ or US-5143348-\$ or US-4685193-\$ or US-4616860-\$ or US-4116419-\$).did. or (US-3994428-\$ or US-6506254-\$ or US-6263829-\$ or US-6200415-\$ or US-6280584-\$ or US-5456757-\$ or US-5965034-\$ or US-5846332-\$ or US-5844195-\$ or US-3731651-\$ or US-6045620-\$ or US-5016562-\$ or US-3602192-\$).did. or (US-20020195201-\$ or US-20020079056-\$ or US-20020014203-\$).did. or (US-20020195201-\$ or EP-367289-\$ or EP-606263-\$ or DE-3309079-\$).did.) and(gas with curtain)	US-PGPUB; USPAT	OR	ON	2003/06/11 15:04
S86	0	((US-6099651-\$ or US-6089543-\$ or US-5997588-\$ or US-5746434-\$ or US-5562800-\$ or US-5415729-\$ or US-5601686-\$ or US-5693288-\$ or US-5172849-\$ or US-5266116-\$ or US-4438724-\$ or US-4480585-\$ or US-4622918-\$ or US-5919310-\$ or US-3618919-\$ or US-5382531-\$ or US-5310338-\$ or US-6347918-\$ or US-5640751-\$ or US-4674939-\$ or US-4257447-\$ or US-5020776-\$ or US-5143348-\$ or US-4685193-\$ or US-4616860-\$ or US-4116419-\$).did. or (US-3994428-\$ or US-6506254-\$ or US-6263829-\$ or US-6200415-\$ or US-6280584-\$ or US-5456757-\$ or US-5965034-\$ or US-5846332-\$ or US-5844195-\$ or US-3731651-\$ or US-6045620-\$ or US-5016562-\$ or US-3602192-\$).did. or (US-20020195201-\$ or US-20020079056-\$ or US-20020014203-\$).did. or (US-20020195201-\$ or EP-367289-\$ or EP-606263-\$ or DE-3309079-\$).did.) and ((plug bolt screw) with (solid hollow))	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/06/11 16:30
S87	1722	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/11 16:30
S88	11	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ((plug bolt screw) with (solid hollow))	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/06/11 16:32
S89	4347	(chamber with (interface insert face surface)) and ((plug bolt screw) with (solid hollow))	US-PGPUB; USPAT	OR	OFF	2003/06/11 16:34
S90	698	(chamber with (interface insert face surface)) same ((plug bolt screw) with (solid hollow))	US-PGPUB; USPAT	OR	OFF	2003/06/11 16:34

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S91	76	(chamber with (interface insert )) same ((plug bolt screw) with (solid hollow))	US-PGPUB; USPAT	OR	OFF	2003/06/11 16:38
S92	398	(plug bolt ) with (solid hollow) with (heat)	US-PGPUB; USPAT	OR	OFF	2003/06/11 16:38
S93	225	(plug bolt ) with ( hollow) with (heat)	US-PGPUB; USPAT	OR	OFF	2003/06/11 16:38
S94	21	(plug bolt ) with ( hollow) with (heat) with transfer	US-PGPUB; USPAT	OR	OFF	2003/06/11 16:41
S95	98	(plug bolt ) with ( solid) with (strength)	US-PGPUB; USPAT	OR	OFF	2003/06/11 16:41
S96	1	("6045620").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/12 11:01
S97	1725	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/12 11:03
S98	9	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (hollow with (screw plug bolt))	US-PGPUB; USPAT	OR	ON	2003/06/12 11:05
S99	19281	(hollow with (screw plug bolt))	EPO; JPO; DERWENT	OR	ON	2003/06/12 11:05
S10 0	460	(hollow with (screw plug bolt) with insulat\$3)	EPO; JPO; DERWENT	OR	ON	2003/06/12 11:06
S10 1	0	(hollow with (screw plug bolt) with insulat\$3 with solid with (strength strong))	EPO; JPO; DERWENT	OR	ON	2003/06/12 11:06
S10 2	4	(hollow with (screw plug bolt) with insulat\$3 with solid)	EPO; JPO; DERWENT	OR	ON	2003/06/12 11:07
S10 3	21	(hollow with (screw plug bolt) with insulat\$3 with (attach\$3 affix\$3))	EPO; JPO; DERWENT	OR	ON	2003/06/12 11:21
S10 4	292	(hollow with (screw plug bolt) with align\$4)	EPO; JPO; DERWENT	OR	ON	2003/06/12 11:21
S10 5	0	(hollow with (screw plug bolt) with align\$4) and c23c016\$.ipc.	EPO; JPO; DERWENT	OR	ON	2003/06/12 11:21
S10 6	2548520	(hollow with (screw plug bolt) with align\$4 mount\$3 attach\$3)	EPO; JPO; DERWENT	OR	ON	2003/06/12 11:22
S10 7	47	(hollow with (screw plug bolt) with align\$4 with (mount\$3 attach\$3))	EPO; JPO; DERWENT	OR	ON	2003/06/12 11:38
S10 8	43	(hollow with (Pin dowel) with align\$4 with (mount\$3 attach\$3))	EPO; JPO; DERWENT	OR	ON	2003/06/12 11:39
S10 9	1725	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/06/12 16:45
S11 0	326	(hollow with (Pin dowel) with align\$4 with (mount\$3 attach\$3))	US-PGPUB; USPAT	OR	ON	2003/06/12 14:13
S11 1	0	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ((hollow with (Pin dowel) with align\$4 with (mount\$3 attach\$3)) )	US-PGPUB; USPAT	OR	ON	2003/06/12 14:13
S11 2	33	(hollow with (Pin dowel) with (plug bolt) with align\$4 with (mount\$3 attach\$3))	US-PGPUB; USPAT	OR	ON	2003/06/12 15:20
S11 3	238	(load with bearing with plug)	US-PGPUB; USPAT	OR	ON	2003/06/12 15:25
S11 4	8	(load with bearing with plug with hollow)	US-PGPUB; USPAT	OR	ON	2003/06/12 15:20
S11 5	7021	((hollow) with (pin plug bolt dowel) with (align\$4 position\$3))	US-PGPUB; USPAT	OR	ON	2003/06/12 15:29
S11 6	1417	((hollow) with (pin plug bolt dowel) with (align\$4 position\$3) with (mount\$3))	US-PGPUB; USPAT	OR	ON	2003/06/12 15:37



## EAST Search History

S11 7	201	"411"/\$.ccls. and ((hollow) with (pin plug bolt dowel fastener) with (align\$4 position\$3) )	US-PGPUB; USPAT	OR	ON	2003/06/12 15:40
S11 8	15	"4289061".URPN.	USPAT	OR	ON	2003/06/12 16:02
S11 9	52	(US-6089543-\$ or US-6506254-\$ or US-6263829-\$ or US-6280584-\$ or US-6347918-\$ or US-5997588-\$ or US-6200415-\$ or US-6099651-\$ or US-5846332-\$ or US-5746434-\$ or US-5844195-\$ or US-5919310-\$ or US-5965034-\$ or US-5693288-\$ or US-5640751-\$ or US-5456757-\$ or US-5415729-\$ or US-5562800-\$ or US-5601686-\$ or US-5172849-\$ or US-5266116-\$ or US-5310338-\$ or US-5382531-\$ or US-6045620-\$ or US-5016562-\$ or US-4685193-\$).did. or (US-5020776-\$ or US-5143348-\$ or US-4674939-\$ or US-4480585-\$ or US-4616860-\$ or US-4622918-\$ or US-4116419-\$ or US-4257447-\$ or US-4438724-\$ or US-3731651-\$ or US-3618919-\$ or US-3994428-\$ or US-3602192-\$ or US-5186137-\$ or US-3568920-\$ or US-4289061-\$ or US-4289060-\$ or US-5178502-\$).did. or (US-20020014203-\$ or US-20020079056-\$ or US-20020195201-\$).did. or (US-20020195201-\$ or EP-367289-\$ or EP-606263-\$ or DE-3309079-\$ or IL-127765-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/06/12 16:40
S12 0	10	((US-6089543-\$ or US-6506254-\$ or US-6263829-\$ or US-6280584-\$ or US-6347918-\$ or US-5997588-\$ or US-6200415-\$ or US-6099651-\$ or US-5846332-\$ or US-5746434-\$ or US-5844195-\$ or US-5919310-\$ or US-5965034-\$ or US-5693288-\$ or US-5640751-\$ or US-5456757-\$ or US-5415729-\$ or US-5562800-\$ or US-5601686-\$ or US-5172849-\$ or US-5266116-\$ or US-5310338-\$ or US-5382531-\$ or US-6045620-\$ or US-5016562-\$ or US-4685193-\$).did. or (US-5020776-\$ or US-5143348-\$ or US-4674939-\$ or US-4480585-\$ or US-4616860-\$ or US-4622918-\$ or US-4116419-\$ or US-4257447-\$ or US-4438724-\$ or US-3731651-\$ or US-3618919-\$ or US-3994428-\$ or US-3602192-\$ or US-5186137-\$ or US-3568920-\$ or US-4289061-\$ or US-4289060-\$ or US-5178502-\$).did. or (US-20020014203-\$ or US-20020079056-\$ or US-20020195201-\$).did. or (US-20020195201-\$ or EP-367289-\$ or EP-606263-\$ or DE-3309079-\$ or IL-127765-\$).did.) and polymer\$3	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/06/12 17:04
S12 1	5	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (insulat\$3 with (gel porous))	US-PGPUB; USPAT	OR	ON	2003/06/12 16:47
S12 2	55	("118"/\$.ccls. 156/345\$.ccls.) and ((insert interface) with (gel porous))	US-PGPUB; USPAT	OR	ON	2003/06/12 16:56
S12 3	4	("118"/\$.ccls. 156/345\$.ccls.) and ((insert interface) with (gel porous) with (insulat\$3 isolat\$3 separat\$3))	US-PGPUB; USPAT	OR	ON	2003/06/12 16:51
S12 4	1787	((insert interface) with (gel porous) with (insulat\$3 isolat\$3 separat\$3))	US-PGPUB; USPAT	OR	ON	2003/06/12 16:52
S12 5	0	("c23c016\$.ipc. and((gelporous)with(insulat\$isolat\$3separat\$3)))".PN.	USOCR; EPO; JPO; DERWENT	OR	OFF	2003/06/12 16:58
S12 6	104	c23c016\$.ipc. and ((gel porous) with (insulat\$ isolat\$3 separat\$3))	US-PGPUB; USPAT	OR	ON	2003/06/12 16:58

## EAST Search History

S12 7	5	((US-6089543-\$ or US-6506254-\$ or US-6263829-\$ or US-6280584-\$ or US-6347918-\$ or US-5997588-\$ or US-6200415-\$ or US-6099651-\$ or US-5846332-\$ or US-5746434-\$ or US-5844195-\$ or US-5919310-\$ or US-5965034-\$ or US-5693288-\$ or US-5640751-\$ or US-5456757-\$ or US-5415729-\$ or US-5562800-\$ or US-5601686-\$ or US-5172849-\$ or US-5266116-\$ or US-5310338-\$ or US-5382531-\$ or US-6045620-\$ or US-5016562-\$ or US-4685193-\$).did. or (US-5020776-\$ or US-5143348-\$ or US-4674939-\$ or US-4480585-\$ or US-4616860-\$ or US-4622918-\$ or US-4116419-\$ or US-4257447-\$ or US-4438724-\$ or US-3731651-\$ or US-3618919-\$ or US-3994428-\$ or US-3602192-\$ or US-5186137-\$ or US-3568920-\$ or US-4289061-\$ or US-4289060-\$ or US-5178502-\$).did. or (US-20020014203-\$ or US-20020079056-\$ or US-20020195201-\$).did. or (US-20020195201-\$ or EP-367289-\$ or EP-606263-\$ or DE-3309079-\$ or IL-127765-\$).did.) and (pore porous gel)	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/06/12 17:11
S12 8	42	(chamber with (insert interface) with gel)	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/06/12 17:43
S12 9	31	(chamber with (insert interface) with gel)	US-PGPUB; USPAT	OR	OFF	2003/06/12 17:32
S13 0	1	(chamber with (transfer\$3 transport\$3)) and ((insert interface) with gel)	EPO; JPO; DERWENT	OR	OFF	2003/06/12 17:44
S13 1	2	c23c016\$.ipc. and ((insulat\$3) with gel)	EPO; JPO; DERWENT	OR	OFF	2003/06/12 17:45
S13 2	442	((insulat\$3) with gel with material)	EPO; JPO; DERWENT	OR	OFF	2003/06/12 17:47
S13 3	196	((insulat\$3) with (heat\$3 thermal\$4) with gel with material)	EPO; JPO; DERWENT	OR	OFF	2003/06/12 18:22
S13 4	2983	((insulat\$3) with (heat\$3 thermal\$4) with glass with material)	EPO; JPO; DERWENT	OR	OFF	2003/06/12 18:22
S13 5	11	c23c016\$.ipc. and ((insulat\$3) with (heat\$3 thermal\$4) with glass with material)	EPO; JPO; DERWENT	OR	OFF	2003/06/12 18:25
S13 6	61	((insulat\$3) with (heat\$3 thermal\$4) with (combin\$3 combination mixture) with ((liquid and gas) (solid and liquid) (gas and solid)) )	EPO; JPO; DERWENT	OR	OFF	2003/06/12 18:51
S13 7	108	((insulat\$3) with (heat\$3 thermal\$4) with (combin\$3 combination mixture) with ((liquid and gas) (solid and liquid) (gas and solid)) )	US-PGPUB; USPAT	OR	OFF	2003/06/12 18:56
S13 8	14	((insulat\$3) with (heat\$3 thermal\$4) with multiple with phase )	US-PGPUB; USPAT	OR	OFF	2003/06/12 18:56
S13 9	5	((insulat\$3) with (heat\$3 thermal\$4) with multiple with phase )	EPO; JPO; DERWENT	OR	OFF	2003/06/12 18:57
S14 0	14	((insulat\$3) with (heat\$3 thermal\$4) with multiple with phase )	US-PGPUB; USPAT	OR	OFF	2003/06/12 18:57
S14 1	1	1996-146849.NRAN.	DERWENT	OR	OFF	2003/06/13 09:47
S14 2	2	"08034678"	EPO; JPO; DERWENT	OR	ON	2003/06/13 09:53
S14 3	2	"2001261375"	EPO; JPO; DERWENT	OR	ON	2003/06/13 09:53
S14 4	13	(screw rivet bolt) with (attach\$3 mount\$3) with (compression) with strength	US-PGPUB; USPAT	OR	ON	2003/06/13 12:51
S14 5	18	(screw rivet bolt) with (greater) with (compression) with strength	US-PGPUB; USPAT	OR	ON	2003/06/13 12:51
S14 6	2	(screw rivet bolt) with (greater) with (compression) with strength	EPO; JPO; DERWENT	OR	ON	2003/06/13 13:18



## EAST Search History

S14 7	10	(screw rivet bolt) with (attach\$3 mount\$3) with (compression) with strength	EPO; JPO; DERWENT	OR	ON	2003/06/13 13:19
S14 8	94	(screw rivet bolt) with (compression) with strength	EPO; JPO; DERWENT	OR	ON	2003/06/13 13:19
S14 9	19	(screw rivet bolt) with "compression strength"	EPO; JPO; DERWENT	OR	ON	2003/06/13 13:23
S15 0	61	(screw rivet bolt plug) with "compression strength"	US-PGPUB; USPAT	OR	ON	2003/06/13 14:05
S15 1	49	(attach\$3 mount\$3) with "compression strength"	US-PGPUB; USPAT	OR	ON	2003/06/13 13:53
S15 2	46	((attach\$3 mount\$3) with "compression strength") not ((screw rivet bolt plug) with "compression strength")	US-PGPUB; USPAT	OR	ON	2003/06/13 13:53
S15 3	4433	"compression strength"	US-PGPUB; USPAT	OR	ON	2003/06/13 14:06
S15 4	83	"compression strength" with greater	EPO; JPO; DERWENT	OR	ON	2003/06/13 14:09
S15 5	0	"compression strength" with "stainless steel" with (mount\$3 attach\$3)	EPO; JPO; DERWENT	OR	ON	2003/06/13 14:10
S15 6	10	"compression strength" with "stainless steel"	EPO; JPO; DERWENT	OR	ON	2003/06/13 14:10
S15 7	16	"compression strength" with "stainless steel"	US-PGPUB; USPAT	OR	ON	2003/06/13 14:12
S15 8	259	"compression strength" with greater	US-PGPUB; USPAT	OR	ON	2003/06/13 15:18
S15 9	32	"compression strength" with (attach\$3 mount\$3)	EPO; JPO; DERWENT	OR	ON	2003/06/13 15:54
S16 0	49	"compression strength" with (attach\$3 mount\$3)	US-PGPUB; USPAT	OR	ON	2003/06/13 15:49
S16 1	19	"compression strength" with (deform\$3)	EPO; JPO; DERWENT	OR	ON	2003/06/13 16:04
S16 2	13	compress\$3 with (strength strong) with (deform\$3) with (bolt screw connector plug rivet)	EPO; JPO; DERWENT	OR	ON	2003/06/13 15:58
S16 3	13	compress\$3 with (strength strong) with (deform\$3) with (bolt screw connector plug rivet)	EPO; JPO; DERWENT	OR	ON	2003/06/13 15:58
S16 4	18	compress\$3 with (strength strong) with (deform\$3) with (bolt screw connector plug rivet)	US-PGPUB; USPAT	OR	ON	2003/06/13 16:05
S16 5	1101	compress\$3 with (deform\$3) with (bolt screw connector plug rivet)	US-PGPUB; USPAT	OR	ON	2003/06/13 16:04
S16 6	423	compress\$3 with (deform\$3) with (bolt screw connector plug rivet)	EPO; JPO; DERWENT	OR	ON	2003/06/13 16:04
S16 7	1	"compression strength" with (deform\$3) with (bolt screw connector plug rivet)	US-PGPUB; USPAT	OR	ON	2003/06/13 16:08
S16 8	1	"compression strength" with (deform\$3) with (bolt screw connector plug rivet)	EPO; JPO; DERWENT	OR	ON	2003/06/13 16:20
S16 9	0	"compression strength" with prevent\$3 with (deform\$3)	EPO; JPO; DERWENT	OR	ON	2003/06/13 16:09
S17 0	3	"compression strength" with prevent\$3 with (deform\$3)	US-PGPUB; USPAT	OR	ON	2003/06/13 16:08
S17 1	19	"compression strength" with (deform\$3)	EPO; JPO; DERWENT	OR	ON	2003/06/13 16:10
S17 2	19	"compression strength" with (deform\$3)	EPO; JPO; DERWENT	OR	ON	2003/06/13 16:10
S17 3	37	"compression strength" with (deform\$3)	US-PGPUB; USPAT	OR	ON	2003/06/13 16:14

## EAST Search History

S17 4	23	"compression strength" with (bolt screw connector plug rivet)	EPO; JPO; DERWENT	OR	ON	2003/06/13 16:21
S17 5	66	"compression strength" with (bolt screw connector plug rivet)	US-PGPUB; USPAT	OR	ON	2003/06/13 16:26
S17 6	80	(US-6045620-\$ or US-6500299-\$ or US-6099651-\$ or US-5997588-\$ or US-5746434-\$ or US-5562800-\$ or US-3602192-\$ or US-5693288-\$ or US-5601686-\$ or US-5415729-\$ or US-5266116-\$ or US-5172849-\$ or US-4622918-\$ or US-4480585-\$ or US-4438724-\$ or US-3618919-\$ or US-5919310-\$ or US-5382531-\$ or US-5310338-\$ or US-6347918-\$ or US-5640751-\$ or US-5143348-\$ or US-5020776-\$ or US-4674939-\$ or US-4257447-\$ or US-4116419-\$).did. or (US-4685193-\$ or US-4616860-\$ or US-5016562-\$ or US-3994428-\$ or US-6280584-\$ or US-6200415-\$ or US-5456757-\$ or US-6506254-\$ or US-6263829-\$ or US-5965034-\$ or US-5846332-\$ or US-5844195-\$ or US-3731651-\$ or US-6089543-\$ or US-5186137-\$ or US-3568920-\$ or US-4289061-\$ or US-4289060-\$ or US-5178502-\$ or US-6162298-\$ or US-5943876-\$ or US-5626936-\$ or US-4961781-\$ or US-5288190-\$ or US-6468610-\$ or US-4271238-\$ or US-5230200-\$).did. or (US-3728472-\$ or US-5390466-\$).did. or (US-20020195201-\$ or US-20020079056-\$ or US-20020014203-\$ or US-20020078711-\$).did. or (EP-477857-\$ or JP-08034678-\$). did. or (JP-2001082682-\$ or JP-04137372-\$ or JP-04080030-\$ or JP-04053110-\$ or JP-61268756-\$ or JP-55108428-\$ or JP-08034678-\$).did. or (US-20020195201-\$ or EP-606263-\$ or EP-367289-\$ or DE-3309079-\$ or IL-127765-\$ or JP-08034678-\$ or JP-07119889-\$ or EP-477857-\$ or JP-63256460-\$ or SU-937408-\$ or JP-2001261375-\$ or JP-09086943-\$ or US-5230200-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/06/13 16:43
S17 7	3	((US-6045620-\$ or US-6500299-\$ or US-6099651-\$ or US-5997588-\$ or US-5746434-\$ or US-5562800-\$ or US-3602192-\$ or US-5693288-\$ or US-5601686-\$ or US-5415729-\$ or US-5266116-\$ or US-5172849-\$ or US-4622918-\$ or US-4480585-\$ or US-4438724-\$ or US-3618919-\$ or US-5919310-\$ or US-5382531-\$ or US-5310338-\$ or US-6347918-\$ or US-5640751-\$ or US-5143348-\$ or US-5020776-\$ or US-4674939-\$ or US-4257447-\$ or US-4116419-\$).did. or (US-4685193-\$ or US-4616860-\$ or US-5016562-\$ or US-3994428-\$ or US-6280584-\$ or US-6200415-\$ or US-5456757-\$ or US-6506254-\$ or US-6263829-\$ or US-5965034-\$ or US-5846332-\$ or US-5844195-\$ or US-3731651-\$ or US-6089543-\$ or US-5186137-\$ or US-3568920-\$ or US-4289061-\$ or US-4289060-\$ or US-5178502-\$ or US-6162298-\$ or US-5943876-\$ or US-5626936-\$ or US-4961781-\$ or US-5288190-\$ or US-6468610-\$ or US-4271238-\$ or US-5230200-\$).did. or (US-3728472-\$ or US-5390466-\$).did. or (US-20020195201-\$ or US-20020079056-\$ or US-20020014203-\$ or US-20020078711-\$).did. or (EP-477857-\$ or JP-08034678-\$). did. or (JP-2001082682-\$ or JP-04137372-\$ or JP-04080030-\$ or JP-04053110-\$ or JP-61268756-\$ or JP-55108428-\$ or JP-08034678-\$).did. or (US-20020195201-\$ or EP-606263-\$ or EP-367289-\$ or DE-3309079-\$ or IL-127765-\$ or JP-08034678-\$ or JP-07119889-\$ or EP-477857-\$ or JP-63256460-\$ or SU-937408-\$ or JP-2001261375-\$ or JP-09086943-\$ or US-5230200-\$).did.) and ((interface insert) with (width cross\$1section))	US-PGPUB; USPAT	OR	ON	2003/06/13 16:52
S17 8	1	"5640751".URPN.	USPAT	OR	ON	2003/06/13 16:47
S17 9	7	("2255504"   "2926937"   "3208758"   "3370508"   "4616860"   "4685193"   "5094795").PN.	USPAT	OR	ON	2003/06/13 16:48

## EAST Search History

S18 0	281	("118"/\$.cds. "414"/\$.cds. 156/345.\$.cds.) and ((interface insert) with (width cross\$1section))	US-PGPUB; USPAT	OR	ON	2003/06/13 17:16
S18 1	8	(c23c016\$.ipc.) and ((interface insert) with (width cross\$1section))	EPO; JPO; DERWENT	OR	ON	2003/06/13 16:53
S18 2	38	("118"/\$.cds. "414"/\$.cds. 156/345.\$.cds.) and (((interface insert) with (width cross\$1section)) same chamber)	US-PGPUB; USPAT	OR	ON	2003/06/13 16:55
S18 3	38	(((US-6045620-\$ or US-6500299-\$ or US-6099651-\$ or US-5997588-\$ or US-5746434-\$ or US-5562800-\$ or US-3602192-\$ or US-5693288-\$ or US-5601686-\$ or US-5415729-\$ or US-5266116-\$ or US-5172849-\$ or US-4622918-\$ or US-4480585-\$ or US-4438724-\$ or US-3618919-\$ or US-5919310-\$ or US-5382531-\$ or US-5310338-\$ or US-6347918-\$ or US-5640751-\$ or US-5143348-\$ or US-5020776-\$ or US-4674939-\$ or US-4257447-\$ or US-4116419-\$).did. or (US-4685193-\$ or US-4616860-\$ or US-5016562-\$ or US-3994428-\$ or US-6280584-\$ or US-6200415-\$ or US-5456757-\$ or US-6506254-\$ or US-6263829-\$ or US-5965034-\$ or US-5846332-\$ or US-5844195-\$ or US-3731651-\$ or US-6089543-\$ or US-5186137-\$ or US-3568920-\$ or US-4289061-\$ or US-4289060-\$ or US-5178502-\$ or US-6162298-\$ or US-5943876-\$ or US-5626936-\$ or US-4961781-\$ or US-5288190-\$ or US-6468610-\$ or US-4271238-\$ or US-5230200-\$).did. or (US-3728472-\$ or US-5390466-\$).did. or (US-20020195201-\$ or US-20020079056-\$ or US-20020014203-\$ or US-20020078711-\$).did. or (EP-477857-\$ or JP-08034678-\$). did. or (JP-2001082682-\$ or JP-04137372-\$ or JP-04080030-\$ or JP-04053110-\$ or JP-61268756-\$ or JP-55108428-\$ or JP-08034678-\$).did. or (US-20020195201-\$ or EP-606263-\$ or EP-367289-\$ or DE-3309079-\$ or IL-127765-\$ or JP-08034678-\$ or JP-07119889-\$ or EP-477857-\$ or JP-63256460-\$ or SU-937408-\$ or JP-2001261375-\$ or JP-09086943-\$ or US-5230200-\$).did.)) and ((width cross\$1section))	US-PGPUB; USPAT	OR	ON	2003/06/13 17:17
S18 4	80	(US-6045620-\$ or US-6500299-\$ or US-6099651-\$ or US-6280584-\$ or US-6200415-\$ or US-5456757-\$ or US-6506254-\$ or US-6263829-\$ or US-5965034-\$ or US-5846332-\$ or US-5844195-\$ or US-3731651-\$ or US-5997588-\$ or US-5746434-\$ or US-5562800-\$ or US-3602192-\$ or US-5693288-\$ or US-5601686-\$ or US-5266116-\$ or US-5415729-\$ or US-5172849-\$ or US-4622918-\$ or US-4480585-\$ or US-4438724-\$ or US-5382531-\$ or US-3618919-\$).did. or (US-5919310-\$ or US-5310338-\$ or US-6347918-\$ or US-5640751-\$ or US-5020776-\$ or US-5143348-\$ or US-4674939-\$ or US-4257447-\$ or US-4116419-\$ or US-4685193-\$ or US-4616860-\$ or US-5016562-\$ or US-3994428-\$ or US-6089543-\$ or US-3728472-\$ or US-5186137-\$ or US-3568920-\$ or US-4289061-\$ or US-4289060-\$ or US-5178502-\$ or US-6162298-\$ or US-5943876-\$ or US-5626936-\$ or US-4961781-\$ or US-5390466-\$ or US-5288190-\$ or US-6468610-\$).did. or (US-5230200-\$ or US-4271238-\$).did. or (US-20020195201-\$ or US-20020079056-\$ or US-20020014203-\$ or US-20020078711-\$).did. or (EP-477857-\$ or JP-08034678-\$). did. or (JP-2001082682-\$ or JP-04137372-\$ or JP-04080030-\$ or JP-04053110-\$ or JP-61268756-\$ or JP-55108428-\$ or JP-08034678-\$).did. or (US-20020195201-\$ or EP-606263-\$ or EP-367289-\$ or DE-3309079-\$ or IL-127765-\$ or JP-08034678-\$ or JP-07119889-\$ or EP-477857-\$ or JP-63256460-\$ or SU-937408-\$ or JP-2001261375-\$ or JP-09086943-\$ or US-5230200-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 17:25

## EAST Search History

S18 5	38	((US-6045620-\$ or US-6500299-\$ or US-6099651-\$ or US-6280584-\$ or US-6200415-\$ or US-5456757-\$ or US-6506254-\$ or US-6263829-\$ or US-5965034-\$ or US-5846332-\$ or US-5844195-\$ or US-3731651-\$ or US-5997588-\$ or US-5746434-\$ or US-5562800-\$ or US-3602192-\$ or US-5693288-\$ or US-5601686-\$ or US-5266116-\$ or US-5415729-\$ or US-5172849-\$ or US-4622918-\$ or US-4480585-\$ or US-4438724-\$ or US-5382531-\$ or US-3618919-\$).did. or (US-5919310-\$ or US-5310338-\$ or US-6347918-\$ or US-5640751-\$ or US-5020776-\$ or US-5143348-\$ or US-4674939-\$ or US-4257447-\$ or US-4116419-\$ or US-4685193-\$ or US-4616860-\$ or US-5016562-\$ or US-3994428-\$ or US-6089543-\$ or US-3728472-\$ or US-5186137-\$ or US-3568920-\$ or US-4289061-\$ or US-4289060-\$ or US-5178502-\$ or US-6162298-\$ or US-5943876-\$ or US-5626936-\$ or US-4961781-\$ or US-5390466-\$ or US-5288190-\$ or US-6468610-\$).did. or (US-5230200-\$ or US-4271238-\$).did. or (US-20020195201-\$ or US-20020079056-\$ or US-20020014203-\$ or US-20020078711-\$).did. or (EP-477857-\$ or JP-08034678-\$). did. or (JP-2001082682-\$ or JP-04137372-\$ or JP-04080030-\$ or JP-04053110-\$ or JP-61268756-\$ or JP-55108428-\$ or JP-08034678-\$).did. or (US-20020195201-\$ or EP-606263-\$ or EP-367289-\$ or DE-3309079-\$ or IL-127765-\$ or JP-08034678-\$ or JP-07119889-\$ or EP-477857-\$ or JP-63256460-\$ or SU-937408-\$ or JP-2001261375-\$ or JP-09086943-\$ or US-5230200-\$).did.) and (deep depth inch inches cm centimeters)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 17:29
S18 6	17	((US-6045620-\$ or US-6500299-\$ or US-6099651-\$ or US-6280584-\$ or US-6200415-\$ or US-5456757-\$ or US-6506254-\$ or US-6263829-\$ or US-5965034-\$ or US-5846332-\$ or US-5844195-\$ or US-3731651-\$ or US-5997588-\$ or US-5746434-\$ or US-5562800-\$ or US-3602192-\$ or US-5693288-\$ or US-5601686-\$ or US-5266116-\$ or US-5415729-\$ or US-5172849-\$ or US-4622918-\$ or US-4480585-\$ or US-4438724-\$ or US-5382531-\$ or US-3618919-\$).did. or (US-5919310-\$ or US-5310338-\$ or US-6347918-\$ or US-5640751-\$ or US-5020776-\$ or US-5143348-\$ or US-4674939-\$ or US-4257447-\$ or US-4116419-\$ or US-4685193-\$ or US-4616860-\$ or US-5016562-\$ or US-3994428-\$ or US-6089543-\$ or US-3728472-\$ or US-5186137-\$ or US-3568920-\$ or US-4289061-\$ or US-4289060-\$ or US-5178502-\$ or US-6162298-\$ or US-5943876-\$ or US-5626936-\$ or US-4961781-\$ or US-5390466-\$ or US-5288190-\$ or US-6468610-\$).did. or (US-5230200-\$ or US-4271238-\$).did. or (US-20020195201-\$ or US-20020079056-\$ or US-20020014203-\$ or US-20020078711-\$).did. or (EP-477857-\$ or JP-08034678-\$). did. or (JP-2001082682-\$ or JP-04137372-\$ or JP-04080030-\$ or JP-04053110-\$ or JP-61268756-\$ or JP-55108428-\$ or JP-08034678-\$).did. or (US-20020195201-\$ or EP-606263-\$ or EP-367289-\$ or DE-3309079-\$ or IL-127765-\$ or JP-08034678-\$ or JP-07119889-\$ or EP-477857-\$ or JP-63256460-\$ or SU-937408-\$ or JP-2001261375-\$ or JP-09086943-\$ or US-5230200-\$).did.) and (deep depth )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 17:26
S18 7	1752	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/08/10 18:29
S18 8	0	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ((deep depth) with insert)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 18:30

## EAST Search History

S18 9	0	(((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ((inches centimeter) with insert)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 17:37
S19 0	0	(((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ((inch centimeter) with insert)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 17:30
S19 1	6	(((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ((inch centimeter) with deep)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 17:31
S19 2	0	(c23co16\$.ipc.) and ((deep depth) with insert)	EPO; JPO; DERWENT	OR	OFF	2003/08/10 17:35
S19 3	0	(c23co16\$.ipc.) and ((deep depth measur\$4 inch inches "cm" centimeter) with insert)	EPO; JPO; DERWENT	OR	OFF	2003/08/10 17:36
S19 4	142	(semiconductor wafer substrate) same ((deep depth) with insert)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 17:44
S19 5	19	118/719.ccls. and (transfer with chamber) and (buffer with gas)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 17:47
S19 6	38	118/719.ccls. and (transfer with chamber) and (buffer with between)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 17:48
S19 7	38	118/719.ccls. and (transfer with chamber) and (buffer with between)	US-PGPUB; USPAT	OR	OFF	2003/08/10 17:56
S19 8	91	(((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (distance with chamber with between)	US-PGPUB; USPAT	OR	OFF	2003/08/10 17:56
S19 9	243	(((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (buffer)	US-PGPUB; USPAT	OR	ON	2003/08/10 18:17
S20 0	142	(((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (buffer) and (transfer with chamber)	US-PGPUB; USPAT	OR	ON	2003/08/10 18:26
S20 1	16	(((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (buffer with (clean\$3 purg\$3))	US-PGPUB; USPAT	OR	ON	2003/08/10 18:27
S20 2	224	(((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ((deep depth))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 18:30
S20 3	224	(((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ((deep depth))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 18:31
S20 4	31	(((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (transfer\$4 same (deep depth))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/08/10 18:31
S20 5	16	("4948979") or ("5076205") or ("5364219") or ("5445491") or ("5592581") or ("5820461") or ("5827370") or ("6174366") or ("6178660") or ("6192827") or ("6193802") or ("6194628") or ("6197119") or ("6255222") or ("6541353") or ("20020185067") or ("10132003") or ("10132767") or ("10365085").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/23 16:37
S20 6	1	("5223113").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/23 16:54

## EAST Search History

S20 7	8	"5223113".URPN.	USPAT	OR	ON	2004/01/23 16:40
S20 8	11	("4473437"   "4491496"   "4816638"   "4817558"   "4838978"   "4878995"   "4886565"   "4931135"   "4943361"   "5078851"   "5085750").PN.	USPAT	OR	ON	2004/01/23 16:42
S20 9	1839	((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/23 16:54
S21 0	92	((((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.) and ((ceramic insulat\$3) with (insert valve gate door))	US-PGPUB; USPAT	OR	ON	2004/01/23 16:57
S21 1	2	("5044311"   "5772833").PN.	USPAT	OR	ON	2004/01/23 17:17
S21 2	0	"6673196".URPN.	USPAT	OR	ON	2004/01/23 17:17
S21 5	1	("6800172").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/25 13:35
S21 6	1	("6089543").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/25 13:53
S21 7	0	karla and moore and (voltage with isolat\$3 with interface)	US-PGPUB; USPAT	OR	ON	2005/04/13 20:59
S21 8	1	karla and moore and (voltage with isolat\$3)	US-PGPUB; USPAT	OR	ON	2005/04/13 21:00
S21 9	9	("20010032591"   "20020185067"   "4117323"   "5928426"   "6030486"   "6206971"   "6214161"   "6471822"   "6571821").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 21:01
S22 0	1	("6571821").URPN.	USPAT	OR	ON	2005/04/13 21:08
S22 1	5	("3773068"   "4722365"   "5901558"   "5942038"   "6007634").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 21:18
S22 2	936	(137/375).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/13 21:26
S22 3	445	118/733.ccls.	US-PGPUB; USPAT	OR	ON	2005/04/13 21:27
S22 4	2	S222 and S223	US-PGPUB; USPAT	OR	ON	2005/04/13 21:26
S22 5	141	118/733.ccls. and (insulat\$3)	US-PGPUB; USPAT	OR	ON	2005/04/13 21:27
S22 6	2185	((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/13 21:35
S22 7	2	S226 and (pump with (valve slot gate) with insulat\$3)	US-PGPUB; USPAT	OR	ON	2005/04/13 22:15
S22 8	7	S226 and (pump with (chamber) with insulat\$3)	US-PGPUB; USPAT	OR	ON	2005/04/13 21:38
S22 9	3	(118/715-733.ccls. and 156/345.\$ccls.) and (pump with (valve slot gate) with insulat\$3)	US-PGPUB; USPAT	OR	ON	2005/04/13 21:39
S23 0	11	(118/715-733.ccls. and 156/345.\$ccls.) and (pump with (chamber) with insulat\$3)	US-PGPUB; USPAT	OR	ON	2005/04/13 22:10
S23 1	0	pinarbas.in.	US-PGPUB; USPAT	OR	ON	2005/04/13 22:10
S23 2	138	pinarbasi.in.	US-PGPUB; USPAT	OR	ON	2005/04/13 22:11
S23 3	104	pinarbasi.in. and sputter\$3	US-PGPUB; USPAT	OR	ON	2005/04/13 22:11



## EAST Search History

S23 4	6	S226 and (pump with insulat\$3 with (thermal\$4 heat\$4 temperature))	US-PGPUB; USPAT	OR	ON	2005/04/13 22:18
S23 5	4	S226 and (pump with isolat\$3 with (thermal\$4 heat\$4 temperature))	US-PGPUB; USPAT	OR	ON	2005/04/13 22:18
S23 6	42	("4920918").URPN.	USPAT	OR	ON	2005/04/13 22:34
S23 7	7	("5695567").URPN.	USPAT	OR	ON	2005/04/13 22:38
S23 8	22	("3095494"   "3098763"   "3138435"   "3282814"   "3304908"   "3372671"   "4147571"   "4263872"   "4339645"   "4421592"   "4421786"   "4805556"   "4920918"   "5119540"   "5136975"   "5194406").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 22:39
S23 9	13	("5359148").URPN.	USPAT	OR	ON	2005/04/13 22:52
S24 0	0	("6375194").URPN.	USPAT	OR	ON	2005/04/13 22:57
S24 1	31	("1047063"   "1109042"   "2509119"   "3284107"   "3332710"   "3499670"   "3544138"   "3746348"   "3775832"   "3794361"   "4375290"   "4432572"   "4557609"   "4583749"   "4627646"   "4900063"   "5011196"   "5163692"   "5359148"   "5722667"   "5777300"   "5824909"   "5879789"   "6022052").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 22:57
S24 2	9	("3828722"   "4347431"   "4699084"   "4711197"   "4793283"   "4803948"   "4920920"   "5064367").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/14 13:28
S24 3	1	("6800172").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/14 13:28
S24 4	3	carpenter-craig.in. dando-ross.in. mardian-allen.in. hamer-kevin.in. cantin-raynald.in. campbell-phillip.in. tschepen-kimberly.in. mercil-randy.in.	US-PGPUB; USPAT	OR	ON	2005/04/18 16:08
S24 5	119	carpenter-craig-\$.in. dando-ross-\$.in. mardian-allen-\$.in. hamer-kevin-\$.in. cantin-raynald-\$.in. campbell-phillip-\$.in. tschepen-kimberly-\$.in. mercil-randy-\$.in.	US-PGPUB; USPAT	OR	ON	2005/04/18 16:23
S24 6	55	156/345.29.ccls. and ((insulat\$4 isolat\$4) with (heat\$3 temperature thermal\$4))	US-PGPUB; USPAT	OR	ON	2005/04/18 16:23
S24 7	96	118/733.ccls. and ((insulat\$4 isolat\$4) with (heat\$3 temperature thermal\$4))	US-PGPUB; USPAT	OR	ON	2005/04/18 16:23
S24 8	458	"216"/\$.ccls. and "MEMS"	US-PGPUB; USPAT	OR	ON	2005/04/18 18:10
S24 9	4	method with toner with electrophotgraphic	US-PGPUB; USPAT	OR	ON	2005/04/19 11:06
S25 0	38	(method with toner) and electrophotgraphic	US-PGPUB; USPAT	OR	ON	2005/04/19 11:09
S25 1	0	"stachowski-mark.in"	US-PGPUB; USPAT	OR	ON	2005/04/19 11:09
S25 2	0	stachowski-mark.in.	US-PGPUB; USPAT	OR	ON	2005/04/19 11:10
S25 3	0	blair-stewart.in.	US-PGPUB; USPAT	OR	ON	2005/04/19 11:10
S25 4	5	((("5884009") or ("6111225") or ("6814813") or ("5484483") or ("20050028734")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/15 04:39
S25 5	1977	load with bear\$3 with (bolt plug)	US-PGPUB; USPAT	OR	ON	2005/11/11 14:55
S25 6	3	load with bear\$3 with (bolt plug) with (protuberance projection ridge groove) with (prevent\$3 prohibit\$3) with (rotat\$4)	US-PGPUB; USPAT	OR	ON	2005/11/11 16:35

## EAST Search History

S25 7	17	load with bear\$3 with (bolt plug) with (protuberance projection ridge groove) with (rotat\$4)	US-PGPUB; USPAT	OR	ON	2005/11/11 14:57
S25 8	102	load with bear\$3 with (bolt plug) with (protuberance projection ridge groove)	US-PGPUB; USPAT	OR	ON	2005/11/11 14:58
S25 9	24	load with bear\$3 with (bolt plug) with (protuberance projection ridge groove) with (attach\$3 mount\$3)	US-PGPUB; USPAT	OR	ON	2005/11/11 14:58
S26 0	26	load with bear\$3 with (bolt plug) with (protuberance projection ridge groove) with (attach\$4 mount\$3)	US-PGPUB; USPAT	OR	ON	2005/11/11 15:06
S26 1	72	(bolt plug) with (protuberance projection ridge groove) with (immobil\$7)	US-PGPUB; USPAT	OR	ON	2005/11/11 15:06
S26 2	29	(bolt plug) with (protuberance projection ridge ) with (immobil\$7)	US-PGPUB; USPAT	OR	ON	2005/11/11 16:25
S26 3	16	(bolt plug) with (protuberance projection ridge ) with (immobil\$7)	EPO; JPO; DERWENT	OR	ON	2005/11/11 16:24
S26 4	29	(bolt plug) with (protuberance projection ridge ) with (immobil\$7)	US-PGPUB; USPAT	OR	ON	2005/11/11 16:25
S26 5	1898	(bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3)	US-PGPUB; USPAT	OR	ON	2005/11/11 16:27
S26 6	479	(bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3) with rotat\$4	US-PGPUB; USPAT	OR	ON	2005/11/11 16:27
S26 7	130	(bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3) with rotat\$4	EPO; JPO; DERWENT	OR	ON	2005/11/11 16:28
S26 8	235	(bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3 fix\$3) with rotat\$4	EPO; JPO; DERWENT	OR	ON	2005/11/11 16:28
S26 9	643	(bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3 fix\$3) with rotat\$4	US-PGPUB; USPAT	OR	ON	2005/11/11 16:29
S27 0	299	((bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3 fix\$3) with rotat\$4) same (mount\$3 attach\$4 connect\$4)	US-PGPUB; USPAT	OR	ON	2005/11/11 16:29
S27 1	5	((bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3 fix\$3) with rotat\$4) same (mount\$3 attach\$4 connect\$4) same (strength\$5 strong\$3)	US-PGPUB; USPAT	OR	ON	2005/11/11 16:30
S27 2	5	((bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3 fix\$3) with rotat\$4) same (mount\$3 attach\$4 connect\$4) same (strength\$5 strong\$3)	US-PGPUB; USPAT	OR	ON	2005/11/11 16:35
S27 3	3	load with bear\$3 with (bolt plug) with (protuberance projection ridge groove) with (prevent\$3 prohibit\$3) with (rotat\$4)	US-PGPUB; USPAT	OR	ON	2005/11/11 16:35
S27 4	5	((bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3 fix\$3) with rotat\$4) same (mount\$3 attach\$4 connect\$4) same (strength\$5 strong\$3)	US-PGPUB; USPAT	OR	ON	2005/11/11 16:46
S27 5	117	moore-karla.xa.	US-PGPUB; USPAT	OR	ON	2005/11/11 16:36
S27 6	5	((bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3 fix\$3) with rotat\$4) same (mount\$3 attach\$4 connect\$4) same (strength\$5 strong\$3)	US-PGPUB; USPAT	OR	ON	2005/11/11 17:02
S27 7	5	((bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3 fix\$3) with rotat\$4) same (mount\$3 attach\$4 connect\$4) same (strength\$5 strong\$3)	US-PGPUB; USPAT	OR	ON	2005/11/14 15:13
S27 8	5	((bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3 fix\$3) with rotat\$4) same (mount\$3 attach\$4 connect\$4) same (strength\$5 strong\$3)	US-PGPUB; USPAT	OR	ON	2005/11/14 15:12
S27 9	5	((bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3 fix\$3) with rotat\$4) same (mount\$3 attach\$4 connect\$4) same (strength\$5 strong\$3)	US-PGPUB; USPAT	OR	ON	2005/11/14 15:13
S28 0	5	((bolt plug) with (protuberance projection ridge ) with (prohibit\$3 prevent\$4 preclud\$3 fix\$3) with rotat\$4) same (mount\$3 attach\$4 connect\$4) same (strength\$5 strong\$3)	US-PGPUB; USPAT	OR	ON	2005/11/14 15:13

## EAST Search History

S28 1	102	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (interface )and applied.as.	US-PGPUB; USPAT	OR	ON	2005/11/14 15:13
S28 2	19668	(bolt plug) with (protuberance projection ridge )	US-PGPUB; USPAT	OR	ON	2005/11/14 15:14
S28 3	48	(bolt plug) with (protuberance projection ridge ) with placement	US-PGPUB; USPAT	OR	ON	2005/11/14 15:22
S28 4	462	(bolt plug) with (protuberance projection ridge ) with (prevent\$3 prohibit\$3) with rotat\$4	US-PGPUB; USPAT	OR	ON	2005/11/14 15:23
S28 5	47	(bolt plug) with (protuberance projection ridge) with (prevent\$3 prohibit\$3) with rotat\$4 with longitudinal	US-PGPUB; USPAT	OR	ON	2005/11/14 15:23
S28 6	52	(bolt plug) with (protuberance projection ridge) with (prevent\$3 prohibit\$3) with rotat\$4 with longitudinal\$4	US-PGPUB; USPAT	OR	ON	2005/11/14 15:42
S28 7	68	(411/529).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/11/14 15:49
S28 8	147	"411"/\$.ccls. and threadless	US-PGPUB; USPAT	OR	ON	2005/11/14 15:45
S28 9	1	"411"/\$.ccls. and (threadless with (protuberane ridge projection))	US-PGPUB; USPAT	OR	ON	2005/11/14 15:45
S29 0	29	"411"/\$.ccls. and threadless and ((prevent\$3 prohibit\$3) with rotat\$4)	US-PGPUB; USPAT	OR	ON	2005/11/14 15:46
S29 1	26	(411/451.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/11/14 16:01
S29 2	32	("1989018"   "2219197"   "2223871"   "2251202"   "3510979"   "3550244"   "3689075"   "3791750"   "3883258"   "3942407"   "3964879"   "3966339"   "4087928"   "4340330"   "4454669"   "4650373"   "4666345"   "4762454"   "4893973"   "5192169"   "5195859"   "5252017"   "5549431"   "5688066"   "5931619"   "6254301").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 15:52
S29 3	159	(411/452).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/11/14 16:03
S29 4	4	S293 and (mate mating interlock\$3)	US-PGPUB; USPAT	OR	ON	2005/11/14 16:03
S29 5	2	("3964879").URPN.	USPAT	OR	ON	2005/11/14 16:05